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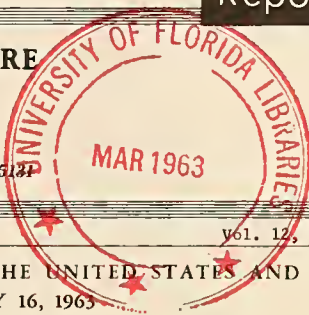
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# Morbidity and Mortality

Weekly  
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the **COMMUNICABLE DISEASE CENTER** 634-5131



For release February 22, 1963

ATLANTA 22, GEORGIA

Vol. 12, No. 7

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED **FEBRUARY 16, 1963**

**INFLUENZA** - Outbreaks of influenza-like disease have now been reported from 21 States and the District of Columbia. The States reporting outbreaks this week for the first time include Kentucky, West Virginia, Indiana, Tennessee, Minnesota, Oklahoma, Michigan, and New Jersey. Influenza A<sub>2</sub> virus has been isolated or confirmed by serologic titer rise as the causative agent of outbreaks in the District of Columbia, Maryland, Michigan, Kansas, North Carolina, New York, Illinois, and Massachusetts. The pattern of spread of disease which, during the month of January tended to confine itself to both a northerly and southerly direction along the Atlantic seaboard, now

shows evidence of a more westerly course. (See map, page 50).

The number of pneumonia-influenza deaths reported weekly for 108 cities has extended above the epidemic threshold for the last 6 weeks and continues the sharp upswing noted during the week ending February 9. Excess pneumonia-influenza deaths are showing continued marked increases in the South and Middle Atlantic States. (See graph, page 52).

The following reports come from areas of the country currently experiencing new or widening outbreaks of influenza-like disease.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

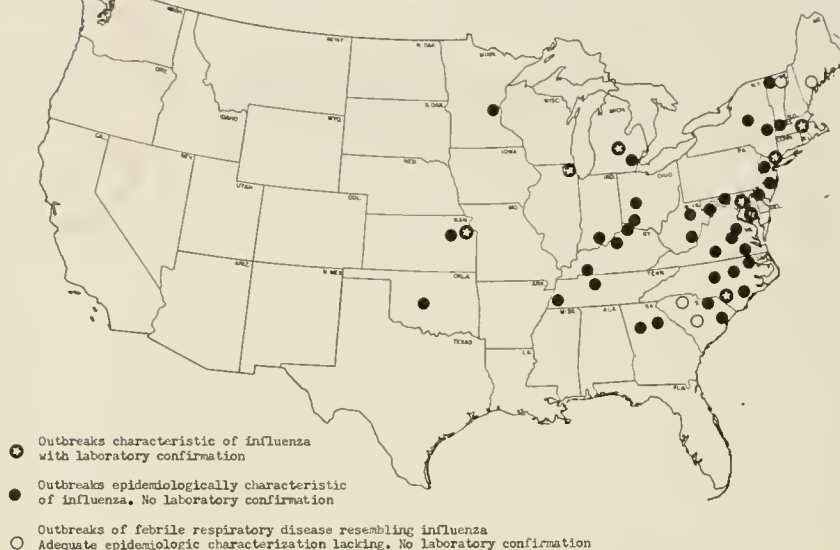
Disease	7th Week			Cumulative		
	Ended	Ended	Median 1958 - 1962	First 7 weeks		Median 1958 - 1962
	February 16, 1963	February 17, 1962		1963	1962	
Aseptic meningitis.....	19	19	---	164	104	---
Brucellosis.....	8	9	8	39	37	77
Diphtheria.....	3	14	14	39	95	136
Encephalitis, infectious.....	19	24	16	129	179	153
Hepatitis, infectious and serum...	1,233	1,518	828	7,827	10,453	5,017
Measles.....	11,072	13,090	13,090	62,095	67,121	67,121
Meningococcal infections.....	47	50	53	380	362	379
Poliomyelitis, total.....	3	3	14	26	55	137
Paralytic.....	3	2	9	23	34	76
Nonparalytic.....	-	-	2	2	8	44
Unspecified.....	-	1	3	1	13	17
Streptococcal sore throat and Scarlet fever.....	11,021	9,627	---	64,081	58,841	---
Tetanus.....	-	1	---	23	17	---
Tularemia.....	6	5	---	32	44	---
Typhoid fever.....	5	6	11	34	48	64
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	-	---	-	2	---
Rabies in Animals.....	61	71	72	391	445	538

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum.	Psittacosis: Mich.-1	Cum.
Botulism:	-	Rabies in Man:	11
Malaria: N.J.-1, Ky.-1	-	Smallpox:	-
Plague:	13	Typhus, murine: Texas-1	-
	-		2

## INFLUENZA AND INFLUENZA-LIKE DISEASE OUTBREAKS U. S. A.

January 1 through February 20, 1963 - By State



**Georgia** – Epidemic respiratory disease, compatible with influenza has been observed in the Atlanta area during the week ending February 16. The clinics of the Grady Memorial Hospital in Atlanta have reported a sharp increase in case load during the past two weeks, and at least four schools in the area have noted excessive absenteeism during this period. One school closure has been reported. Specimens from these areas have been submitted to the Respirovirus Laboratory, CDC, and are being processed.

(Reported by W. J. Murphy, M.D., Director, Epidemiology, Georgia Department of Public Health.)

**Illinois** – The recent outbreak among recruits at the Great Lakes Naval Training Station (MMWR Vol. 12, No. 5) continues to decline. A limited outbreak has been reported from the Chicago House of Correction where approximately 200 cases have been seen since February 1. Specimens have been obtained and are currently being processed. Influenza A<sub>2</sub> isolates have been obtained in 4 sporadic cases from the Chicago and Urbana areas. (Reported by Norman J. Rose, M.D., Chief, Bureau of Epidemiology, Illinois Department of Public Health.)

**Indiana** – A localized outbreak of influenza-like illness with onset about February 11 has been reported from a high school in Harrison County. The illness has been characterized by sudden onset of headache, fever, and myalgia of 3-4 days duration. School absenteeism reached 26 percent on a peak day. Other areas of the State report only sporadic cases of influenza-like disease. Laboratory studies are in progress.

(Reported by Dr. A. L. Marshall, Jr., Director, Division of CDC, Indiana State Board of Health.)

**Kansas** – During the last week, mild community outbreaks of influenza-like illness have been noted in Douglas, Shawnee and Johnson Counties. In addition, there has been an increasing number of cases of influenza-like disease seen at the University at Lawrence. A<sub>2</sub> influenza virus has been isolated in 3 separate instances from cases seen at the University infirmary.

(Reported by Dr. Don E. Wilcox, State Epidemiologist, Kansas State Board of Health.)

**Kentucky** – Extensive outbreaks of a relatively mild influenza-like syndrome have been reported from several areas in the State, since the first week of February. These came from the Louisville area and from several communities in northeastern Kentucky adjoining the Cincinnati metropolitan area, site of a recent epidemic. Subsequent reports have come from nearly all sections of the State. Laboratory specimens are being processed. (Reported by J. Clifford Todd, State Epidemiologist, Kentucky State Department of Health.)

**Massachusetts** – A university infirmary in the Boston area has noted a two- to sixfold increase in admissions for acute respiratory disease beginning February 8. Typical symptoms consist of acute onset of fever and chills, with headache, myalgia, dry cough and weakness of 3-6 days duration. Throat washings from 8 typical cases have demonstrated hemagglutinating agents in 5 instances; two have been identified as A<sub>2</sub> influenza virus.

(Reported by Nicholas J. Fiumara, Director of Communicable Diseases, Massachusetts Department of Public Health.)

**Michigan** — A laboratory confirmed outbreak of A<sub>2</sub> influenza, restricted to employees of a single department store, has been reported from Lansing, Michigan. Eighty of the store's 250 employees became ill during a 2-week period beginning approximately February 1. Throat washings were obtained from 6 cases, including 2 with complicating pneumonia; all have yielded Type A<sub>2</sub> influenza. Additional cases were observed among 15 individuals from Grand Rapids who visited the store on February 3. All remained well until February 6, when 7 of these individuals became ill with an influenza-like syndrome.

A similar illness has been observed in Detroit where hospital emergency rooms have reported an increasing case load and at least 1 large industrial population has noted excessive absenteeism.

*(Reported by George H. Agate, M.D., Epidemiologist, Michigan Department of Health.)*

**Minnesota** — A limited outbreak of influenza-like illness was observed among patients at the Veterans Administration Hospital, Fort Snelling, Minnesota, during early February. A total of 75 cases was reported, with no evidence of spread to the surrounding community. Type A<sub>2</sub> influenza virus was recovered from throat washings in two cases. No other outbreaks have been reported in the State.

*(Reported by D. S. Fleming, M.D., Director, Disease Prevention and Control, Minnesota State Department of Health.)*

**New Jersey** — Eight counties, located in different sections of the State, reported influenza-like illness during the week ending February 15. School, university, industrial and prison populations have been among those affected. One school closure has been reported. Laboratory specimens have been obtained from selected populations.

*(Reported by William J. Dougherty, Director, Division of Preventive Disease, New Jersey State Department of Health.)*

**New York** — Restricted outbreaks of influenza-like illness in school age children were first recognized February 11-14 in three small communities in the Albany-Troy-Schenectady area of New York State. Additional foci have been noted during the past two weeks in two mental institutions in the southeastern part of the State. Laboratory confirmations are not yet available. Serologic evidence of recent infection with influenza A<sub>2</sub> has been obtained from three cases seen in Nassau and Westchester Counties, adjoining New York City, as well as one case from Columbia County near the Massachusetts border.

Pneumonia-influenza deaths for New York City continued well above expected levels for the week ending February 16 (167 deaths compared to an expected number of 68). However, the increased mortality has been out of proportion to other indices of epidemic activity. School and industrial absenteeism have remained at near normal levels. One outpatient clinic of a large teaching hospital reported an increasing case load of influenza-like disease with laboratory confirmation of A<sub>2</sub> influenza in three cases.

*(Reported by Robert M. Albrecht, M.D., Director, Epidemiology Division, New York State Department of Health; and Harold T. Fuerst, M.D., Director, Bureau of Preventable Disease, New York City Department of Health.)*

**Ohio** — Three isolates of influenza A<sub>2</sub> virus have been recovered from cases in the Columbus area, and 1 from Cincinnati. (See MMWR Vol. 12, No. 6) Community-wide outbreaks, largely confined to the southern half of the State, continue to be reported.

*(Reported by Winslow Bashe, M.D., Acting Chief, Division of Communicable Diseases, Ohio Department of Health)*

**Oklahoma** — An outbreak of influenza-like illness has been noted at one high school in Oklahoma City. On February 12, absenteeism reached 27 percent. In addition, an outbreak has been reported from a reformatory at El Reno, reaching peak proportions about February 7. Laboratory studies are underway.

*(Reported by Dr. F. R. Hassler, Chief, Communicable Disease Control and Laboratory Services, Oklahoma State Department of Health.)*

**Vermont** — Enosburg Falls, Franklin County, has reported over 50 cases of influenza-like illness since February 3. The outbreak has affected all age groups; there has been above normal absenteeism in the city schools. A similar outbreak has occurred in the town of Johnson, Lamoille County, with first cases appearing on February 9. Laboratory studies are presently underway.

*(Reported by Dr. Linus J. Leavens, Director, Communicable Disease Control, Vermont Department of Health.)*

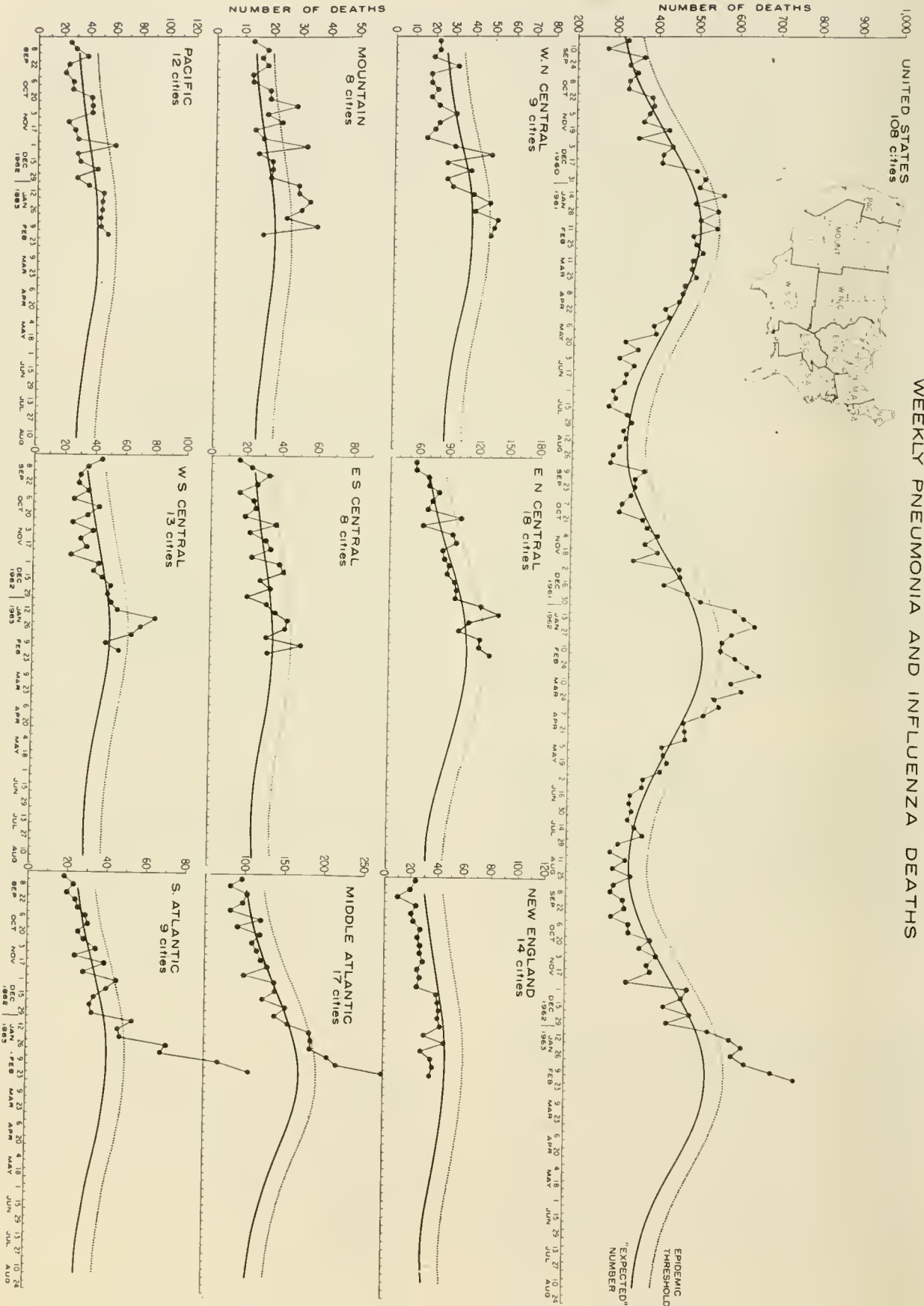
**West Virginia** — Above seasonal incidence of respiratory disease has been noted in the eastern counties of Berkeley, Jefferson, Mineral, Pocahontas, and Upshur, beginning during the week of February 4. School absenteeism, which normally is 5-7 percent, is currently running 10-12 percent in most areas and 18 percent in Mineral County. Local physicians in the areas report that illnesses resemble influenza. Laboratory studies are in progress.

*(Reported by Dr. L. A. Dickerson, Director, Disease Control, West Virginia State Health Department.)*



# Morbidity and Mortality Weekly Report

## WEEKLY PNEUMONIA AND INFLUENZA DEATHS



### INTERPRETATION OF WEEKLY PNEUMONIA- INFLUENZA CHARTS

The solid line on the pneumonia-influenza excess mortality charts indicates the **expected number** of weekly deaths based on 1954-60 seasonal change and secular trend. The **epidemic threshold** (dashed line) is placed at a distance of 1.64 times the standard deviation of the expected number during inter-epidemic periods. **Recorded deaths** are shown as circles connected by straight lines.

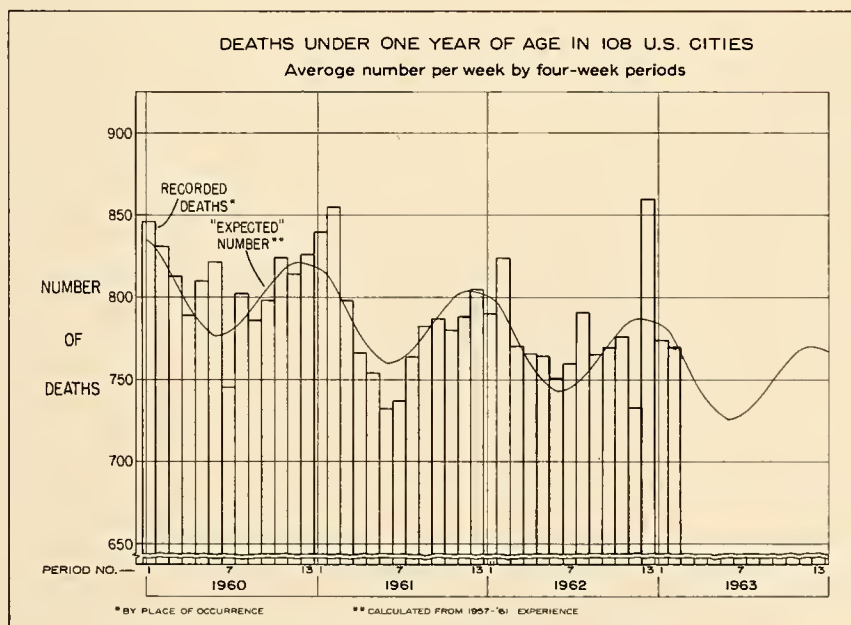
The criterion that recorded deaths exceed the epidemic threshold for two successive weeks is used as an indication of possible epidemic increase. With this criterion, the approximate probabilities (1) of erroneously classifying a random fluctuation as a true increase in excess mortality, or conversely (2) failing to recognize a true rise in excess mortality are:

- (1) Using a simple model of independent repeated trials, the probability that during a 26 week period of endemic influenza mortality, chance variation will result in one or more instances in which the number of recorded deaths exceeds the epidemic threshold for 2 successive weeks, is approximately equal to 0.1.
- (2) On the other hand, given a moderate to large epidemic increase, the chance that the recorded number of deaths will fail to exceed the epidemic threshold during both the second and third week of the epidemic is  $\leq 0.1$ .

### INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending February 16 was 770 as compared with an expected 773 weekly average.

	WEEK ENDING				4 Week Total	Weekly Average
	1/26	2/2	2/9	2/16		
Observed	790	758	759	774	3,081	770
Expected	778	775	771	768	3,092	773
Excess	12	-17	-12	6	11	-3



FEBRUARY 16, 1963 AND FEBRUARY 17, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	7th week		Cumulative First 7 weeks		7th week		Cumulative First 7 weeks		7th week		7th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	3	3	26	55	3	2	23	34	-	-	19	19
NEW ENGLAND.....	-	-	-	-	-	-	-	-	-	-	1	-
Maine.....	-	-	-	-	-	-	-	-	-	-	1	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	1	1	4	24	1	-	4	13	-	-	1	1
New York.....	1	1	3	24	1	-	3	13	-	-	-	-
New Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	-	-	1	-	-	-	1	-	-	-	1	1
EAST NORTH CENTRAL.....	1	-	7	5	1	-	6	4	-	-	1	1
Ohio.....	-	-	2	3	-	-	1	3	-	-	1	1
Indiana.....	-	-	-	1	-	-	-	1	-	-	-	-
Illinois.....	-	-	4	1	-	-	4	-	-	-	-	-
Michigan.....	1	-	1	-	1	-	1	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL.....	-	-	-	4	-	-	-	1	-	-	2	-
Minnesota.....	-	-	-	-	-	-	-	-	-	-	2	-
Iowa.....	-	-	-	2	-	-	-	1	-	-	-	-
Missouri.....	-	-	-	2	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	-	2	5	1	-	2	4	-	-	1	3
Delaware.....	-	-	-	-	-	-	-	-	-	-	1	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	-	-	1	-	-	-	1	-	-	-	1
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	1	-	2	1	1	-	2	1	-	-	-	-
South Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	-	-	-	-	-	-
Florida.....	-	-	-	2	-	-	-	2	-	-	-	2
EAST SOUTH CENTRAL.....	-	-	1	2	-	-	-	1	-	-	2	6
Kentucky.....	-	-	-	-	-	-	-	-	-	-	1	3
Tennessee.....	-	-	-	1	-	-	-	-	-	-	1	-
Alabama.....	-	-	1	1	-	-	-	1	-	-	-	-
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	3
WEST SOUTH CENTRAL.....	-	2	9	8	-	2	9	7	-	-	1	1
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	8	2	-	-	8	2	-	-	-	-
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	-	2	1	6	-	2	1	5	-	-	1	1
MOUNTAIN.....	-	-	-	3	-	-	-	2	-	-	5	1</

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
FEBRUARY 16, 1963 AND FEBRUARY 17, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	7th week	Cumulative 7 weeks	7th week	Cumulative 7 weeks	7th week		7th week			7th week		
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	8	39	3	39	19	24	668	481	1,233	1,518	11,072	13,090
NEW ENGLAND.....	-	-	-	1	1	3	84	72	156	75	451	1,575
Maine.....	-	-	-	-	-	-	35	26	61	10	11	268
New Hampshire.....	-	-	-	-	-	-	4	4	8	7	-	47
Vermont.....	-	-	-	-	-	-	-	-	-	-	19	3
Massachusetts.....	-	-	-	1	-	3	34	32	66	42	121	832
Rhode Island.....	-	-	-	-	1	-	-	2	2	7	36	52
Connecticut.....	-	-	-	-	-	-	11	8	19	9	264	373
MIDDLE ATLANTIC.....	-	2	2	7	5	1	122	103	225	162	1,088	1,798
New York.....	-	2	-	2	-	1	79	64	143	61	462	902
New Jersey.....	-	-	-	1	-	-	17	16	33	55	159	615
Pennsylvania.....	-	-	2	4	5	-	26	23	49	46	467	281
EAST NORTH CENTRAL.....	1	2	-	2	1	2	153	88	251	344	4,832	1,377
Ohio.....	-	-	-	-	-	-	43	17	64	105	568	74
Indiana.....	-	-	-	-	-	-	15	8	23	28	171	128
Illinois.....	1	2	-	2	-	1	22	26	52	62	236	450
Michigan.....	-	-	-	-	1	1	44	28	72	143	1,057	562
Wisconsin.....	-	-	-	-	-	-	29	9	40	6	2,800	163
WEST NORTH CENTRAL.....	7	31	-	9	-	2	32	19	54	149	809	447
Minnesota.....	-	2	-	1	-	-	6	1	8	19	72	8
Iowa.....	5	23	-	1	-	-	4	4	9	68	383	219
Missouri.....	-	1	-	-	-	1	17	4	22	22	-	21
North Dakota.....	-	-	-	-	-	-	-	-	-	11	249	138
South Dakota.....	-	2	-	6	-	-	1	2	3	4	-	56
Nebraska.....	-	1	-	1	-	-	1	4	5	6	105	5
Kansas.....	2	2	-	-	-	1	3	4	7	19	NN	NN
SOUTH ATLANTIC.....	-	-	-	9	8	2	62	32	98	194	858	1,003
Delaware.....	-	-	-	-	-	-	1	1	2	3	9	9
Maryland.....	-	-	-	-	-	1	3	1	4	26	25	118
District of Columbia..	-	-	-	-	-	-	-	2	2	7	1	56
Virginia.....	-	-	-	1	-	-	12	11	23	41	264	346
West Virginia.....	-	-	-	-	-	-	11	4	15	39	312	214
North Carolina.....	-	-	-	1	1	1	23	6	29	46	59	26
South Carolina.....	-	-	-	2	-	-	8	3	15	4	53	15
Georgia.....	-	-	-	1	-	-	1	2	3	12	3	6
Florida.....	-	-	-	4	7	-	3	2	5	16	132	213
EAST SOUTH CENTRAL.....	-	1	-	6	-	2	68	34	102	271	482	1,343
Kentucky.....	-	-	-	-	-	-	16	10	26	140	264	213
Tennessee.....	-	-	-	1	-	1	34	11	45	57	191	898
Alabama.....	-	1	-	5	-	-	8	10	18	42	20	63
Mississippi.....	-	-	-	-	-	1	10	3	13	32	7	169
WEST SOUTH CENTRAL.....	-	2	1	4	-	5	51	41	103	105	791	3,238
Arkansas.....	-	1	-	1	-	2	11	3	20	25	39	10
Louisiana.....	-	-	-	-	-	-	7	7	14	10	3	2
Oklahoma.....	-	1	-	-	-	-	3	5	8	12	12	95
Texas.....	-	-	1	3	-	3	30	26	61	58	737	3,131
MOUNTAIN.....	-	1	-	-	-	1	28	7	91	71	816	623
Montana.....	-	-	-	-	-	-	11	1	12	6	64	209
Idaho.....	-	-	-	-	-	-	-	-	28	10	137	55
Wyoming.....	-	-	-	-	-	-	-	-	1	1	-	-
Colorado.....	-	-	-	-	-	-	6	1	17	22	160	192
New Mexico.....	-	-	-	-	-	-	7	2	12	3	NN	NN
Arizona.....	-	-	-	-	-	-	-	-	14	16	281	115
Utah.....	-	1	-	-	-	1	4	3	7	13	164	52
Nevada.....	-	-	-	-	-	-	-	-	-	-	10	-
PACIFIC.....	-	-	-	1	4	6	68	85	153	147	945	1,686
Washington.....	-	-	-	-	-	1	14	13	27	30	167	662
Oregon.....	-	-	-	-	-	-	4	10	14	10	194	264
California.....	-	-	-	1	4	5	49	58	107	101	354	690
Alaska.....	-	-	-	-	-	-	1	4	5	4	109	65
Hawaii.....	-	-	-	-	-	-	-	-	-	2	121	5
Puerto Rico.....	-	-	-	1	-	-	5	4	9	13	10	156

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

FEBRUARY 16, 1963 AND FEBRUARY 17, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	7th wk.	Cumulative 7 weeks	7th week					7th wk.	7th wk.	7th wk.	Cumulative 7 weeks	7th week
			1963	1963	1963	1962	1963					1963
UNITED STATES....	47	380	11,021	9,627	-	-	6	5	34	61	71	391
NEW ENGLAND.....	4	33	1,209	518	-	-	-	-	2	-	-	-
Maine.....	1	7	236	10	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	10	3	-	-	-	-	-	-	-	-
Vermont.....	-	1	21	34	-	-	-	-	-	-	-	-
Massachusetts.....	1	11	192	127	-	-	-	-	2	-	-	-
Rhode Island.....	1	4	108	42	-	-	-	-	-	-	-	-
Connecticut.....	1	10	642	302	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	6	45	783	679	-	-	-	1	5	-	2	14
New York.....	1	17	429	352	-	-	-	1	5	-	1	13
New Jersey.....	2	9	150	146	-	-	-	-	-	-	-	-
Pennsylvania.....	3	19	204	181	-	-	-	-	-	-	1	1
EAST NORTH CENTRAL..	10	66	1,373	1,209	-	-	1	-	-	5	12	54
Ohio.....	4	21	244	167	-	-	-	-	-	-	1	24
Indiana.....	-	11	191	203	-	-	-	-	-	1	8	6
Illinois.....	2	11	159	188	-	-	1	-	-	3	3	10
Michigan.....	1	14	475	419	-	-	-	-	-	-	-	11
Wisconsin.....	3	9	304	232	-	-	-	-	-	1	-	3
WEST NORTH CENTRAL..	3	19	455	350	-	-	3	-	1	15	21	89
Minnesota.....	1	3	27	38	-	-	-	-	-	9	4	26
Iowa.....	-	-	122	137	-	-	-	-	-	4	9	26
Missouri.....	-	7	-	12	-	-	1	-	1	1	2	21
North Dakota.....	-	1	160	114	-	-	-	-	-	-	4	2
South Dakota.....	-	2	4	18	-	-	-	-	-	1	2	14
Nebraska.....	2	6	2	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	140	31	-	-	2	-	-	-	-	-
SOUTH ATLANTIC.....	5	83	1,264	625	-	-	1	1	7	11	9	74
Delaware.....	1	1	5	12	-	-	-	-	-	-	-	-
Maryland.....	-	13	46	28	-	-	-	-	2	-	-	-
Dist. of Columbia..	-	1	-	2	-	-	1	-	-	-	-	-
Virginia.....	2	19	274	178	-	-	-	-	-	6	2	30
West Virginia.....	1	7	270	159	-	-	-	1	2	1	5	25
North Carolina.....	-	14	69	41	-	-	-	-	1	1	-	3
South Carolina.....	1	6	277	32	-	-	-	-	-	-	-	-
Georgia.....	-	4	4	10	-	-	-	-	-	-	1	-
Florida.....	-	18	319	163	-	-	-	-	2	3	1	16
EAST SOUTH CENTRAL..	-	25	1,514	1,748	-	-	-	1	4	6	10	37
Kentucky.....	-	6	256	335	-	-	-	1	1	4	1	16
Tennessee.....	-	12	1,071	1,215	-	-	-	-	3	2	8	19
Alabama.....	-	4	95	39	-	-	-	-	-	-	1	2
Mississippi.....	-	3	92	159	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL..	6	37	1,407	1,021	-	-	1	-	8	13	15	68
Arkansas.....	-	3	17	6	-	-	-	-	6	1	4	6
Louisiana.....	3	12	24	3	-	-	1	-	-	1	1	9
Oklahoma.....	-	7	69	16	-	-	-	-	-	2	1	6
Texas.....	3	15	1,297	996	-	-	-	-	2	9	9	47
MOUNTAIN.....	-	14	1,331	1,748	-	-	-	-	1	2	-	7
Montana.....	-	-	57	71	-	-	-	-	-	-	-	-
Idaho.....	-	-	111	288	-	-	-	-	-	-	-	-
Wyoming.....	-	-	38	62	-	-	-	-	-	-	-	-
Colorado.....	-	3	552	514	-	-	-	-	-	-	-	-
New Mexico.....	-	2	317	422	-	-	-	-	1	2	-	4
Arizona.....	-	3	171	186	-	-	-	-	-	-	-	3
Utah.....	-	5	85	203	-	-	-	-	-	-	-	-
Nevada.....	-	1	-	2	-	-	-	-	-	-	-	-
PACIFIC.....	13	58	1,685	1,729	-	-	-	2	6	9	2	48
Washington.....	-	5	510	595	-	-	-	-	-	-	-	-
Oregon.....	-	2	38	32	-	-	-	-	1	-	-	1
California.....	13	47	989	931	-	-	-	2	5	9	2	47
Alaska.....	-	4	108	146	-	-	-	-	-	-	-	-
Hawaii.....	-	-	40	25	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	-	4	2	-	-	-	-	-	-	1



## Morbidity and Mortality Weekly Report

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Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	1/26	2/2	2/9	2/16		1/26	2/2	2/9	2/16
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>				
Boston, Mass.....	11	10	18	21	Atlanta, Ga.....	7	14	15	18
Bridgeport, Conn.....	4	2	4	3	Baltimore, Md.....	18	6	25	20
Cambridge, Mass.....	2	0	0	0	Charlotte, N.C.....	0	5	4	2
Fall River, Mass.....	2	2	0	0	Jacksonville, Fla.....	4	3	8	4
Hartford, Conn.....	4	3	1	6	Miami, Fla.....	5	3	9	9
Lowell, Mass.....	4	0	2	2	Norfolk, Va.....	4	4	9	8
Lynn, Mass.....	1	3	1	1	Richmond, Va.....	7	5	4	5
New Bedford, Mass.....	1	1	0	2	Savannah, Ga.....	3	7	1	0
New Haven, Conn.....	2	3	8	13	St. Petersburg, Fla.....	0	1	1	2
Providence, R.I.....	5	5	5	3	Tampa, Fla.....	10	2	6	5
Somerville, Mass.....	0	0	0	0	Washington, D.C.....	22	20	13	15
Springfield, Mass.....	5	2	3	0	Wilmington, Del.....	5	0	2	1
Waterbury, Conn.....	2	4	1	1					
Worcester, Mass.....	2	3	2	7	<b>EAST SOUTH CENTRAL:</b>				
<b>MIDDLE ATLANTIC:</b>					Birmingham, Ala.....	11	7	20	6
Albany, N.Y.....	5	8	4	4	Chattanooga, Tenn.....	3	0	4	8
Allentown, Pa.....	2	2	2	0	Knoxville, Tenn.....	1	3	0	3
Buffalo, N.Y.....	7	9	4	9	Louisville, Ky.....	11	14	14	6
Camden, N.J.....	8	3	2	6	Memphis, Tenn.....	14	18	15	6
Elizabeth, N.J.....	3	2	2	2	Mobile, Ala.....	5	5	4	4
Erie, Pa.....	2	2	3	4	Montgomery, Ala.....	2	3	2	6
Jersey City, N.J.....	6	5	6	1	Nashville, Tenn.....	4	6	4	3
Newark, N.J.....	4	7	5	5	<b>WEST SOUTH CENTRAL:</b>				
New York City, N.Y.....	76	83	91	76	Austin, Tex.....	4	2	4	1
Paterson, N.J.....	0	3	2	4	Baton Rouge, La.....	4	4	4	9
Philadelphia, Pa.....	21	33	23	12	Corpus Christi, Tex.....	2	2	5	3
Pittsburgh, Pa.....	16	11	5	11	Dallas, Tex.....	9	11	15	11
Reading, Pa.....	2	1	1	2	El Paso, Tex.....	8	5	4	10
Rochester, N.Y.....	8	8	9	2	Fort Worth, Tex.....	8	2	6	5
Schenectady, N.Y.....	0	3	1	1	Houston, Tex.....	13	10	15	9
Scranton, Pa.....	1	4	0	2	Little Rock, Ark.....	6	1	1	9
Syracuse, N.Y.....	3	3	8	7	New Orleans, La.....	13	15	13	14
Trenton, N.J.....	3	2	1	2	Oklahoma City, Okla.....	7	3	6	7
Utica, N.Y.....	3	1	1	0	San Antonio, Tex.....	5	8	6	8
Yonkers, N.Y.....	1	5	4	3	Shreveport, La.....	3	9	6	4
<b>EAST NORTH CENTRAL:</b>					Tulsa, Okla.....	5	5	5	4
Akron, Ohio.....	5	5	2	7	<b>MOUNTAIN:</b>				
Canton, Ohio.....	0	0	0	3	Albuquerque, N. Mex.....	3	6	7	6
Chicago, Ill.....	51	57	65	38	Colorado Springs, Colo.....	3	1	2	1
Cincinnati, Ohio.....	11	13	6	6	Denver, Colo.....	10	15	3	14
Cleveland, Ohio.....	10	19	21	16	Ogden, Utah.....	0	0	3	2
Columbus, Ohio.....	6	12	6	12	Phoenix, Ariz.....	13	4	5	3
Dayton, Ohio.....	10	7	7	4	Pueblo, Colo.....	2	1	0	0
Detroit, Mich.....	19	21	31	36	Salt Lake City, Utah.....	4	4	2	3
Evansville, Ind.....	1	3	3	5	Tucson, Ariz.....	3	3	5	2
Flint, Mich.....	5	4	7	1	<b>PACIFIC:</b>				
Fort Wayne, Ind.....	4	0	1	2	Berkeley, Calif.....	0	2	1	2
Gary, Ind.....	0	5	1	1	Fresno, Calif.....	3	2	7	3
Grand Rapids, Mich.....	2	3	1	2	Glendale, Calif.....	2	1	1	2
Indianapolis, Ind.....	15	6	5	13	Honolulu, Hawaii.....	3	9	6	6
Madison, Wis.....	2	4	3	4	Long Beach, Calif.....	13	4	2	3
Milwaukee, Wis.....	11	4	5	23	Los Angeles, Calif.....	35	40	21	39
Peoria, Ill.....	1	2	3	3	Oakland, Calif.....	11	10	1	6
Rockford, Ill.....	4	2	0	2	Pasadena, Calif.....	0	1	2	1
South Bend, Ind.....	0	2	2	3	Portland, Ore.....	6	8	2	4
Toledo, Ohio.....	10	5	2	8	Sacramento, Calif.....	3	5	3	1
Youngstown, Ohio.....	2	0	4	4	San Diego, Calif.....	24	8	7	9
<b>WEST NORTH CENTRAL:</b>					San Francisco, Calif.....	13	5	3	4
Des Moines, Iowa.....	0	2	3	4	San Jose, Calif.....	2	6	4	2
Duluth, Minn.....	0	1	1	0	Seattle, Wash.....	6	14	12	6
Kansas City, Kans.....	6	5	3	4	Spokane, Wash.....	3	1	2	4
Kansas City, Mo.....	12	5	3	10	Tacoma, Wash.....	1	2	2	2
Lincoln, Nebr.....	4	1	1	3					
Minneapolis, Minn.....	5	8	9	8	San Juan, P.R.....	4	4	11	7
Omaha, Nebr.....	8	2	6	2					
St. Louis, Mo.....	7	12	16	13					
St. Paul, Minn.....	2	4	1	4					
Wichita, Kans.....	7	4	5	4					

<sup>o</sup>Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 13,112  
 4(B) Pneumonia-Influenza Deaths, all ages..... 759  
 4(C) Total Deaths under 1 Year of Age..... 774  
 4(D) Total Deaths, Persons 65 years and over..... 7,601

Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

## Morbidity and Mortality Weekly Report

## SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

JANUARY 1963 AND JANUARY 1962

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Area January 1963 and January 1962

Provisional Data

Reporting Area	January		Reporting Area	January		Cumulative January
	1963	1962		1963	1962	
NEW ENGLAND.....	43	65	EAST SOUTH CENTRAL.....	112	77	112
Maine.....	0	3	Kentucky.....	9	11	9
New Hampshire.....	1	0	Tennessee.....	37	22	37
Vermont.....	0	0	Alabama.....	55	40	55
Massachusetts.....	24	43	Mississippi.....	11	4	11
Rhode Island.....	2	4				
Connecticut.....	16	15	WEST SOUTH CENTRAL.....	245	229	245
			Arkansas.....	20	11	20
MIDDLE ATLANTIC.....	529	494	Louisiana.....	49	98	49
Upstate New York.....	46	40	Oklahoma.....	24	8	24
New York City.....	306	274	Texas.....	152	112	152
Pa. (Excl. Phila.).....	14	14				
Philadelphia.....	64	62	MOUNTAIN.....	38	31	38
New Jersey.....	99	104	Montana.....	0	0	0
			Idaho.....	0	1	0
EAST NORTH CENTRAL.....	156	139	Wyoming.....	0	0	0
Ohio.....	27	13	Colorado.....	7	2	7
Indiana.....	6	12	New Mexico.....	8	10	8
Downstate Illinois.....	10	18	Arizona.....	16	13	16
Chicago.....	83	59	Utah.....	3	1	3
Michigan.....	27	28	Nevada.....	4	4	4
Wisconsin.....	3	9				
			PACIFIC.....	206	155	206
WEST NORTH CENTRAL.....	35	33	Washington.....	17	5	17
Minnesota.....	9	6	Oregon.....	5	4	5
Iowa.....	0	2	California.....	182	146	182
Missouri.....	13	11	Alaska.....	1	0	1
North Dakota.....	0	0	Hawaii.....	1	0	1
South Dakota.....	3	6				
Nebraska.....	4	2	U. S. TOTAL.....	1,896	1,666	1,896
Kansas.....	6	6				
			TERRITORIES.....	56	41	56
SOUTH ATLANTIC.....	532	443	Puerto Rico.....	53	38	53
Delaware.....	10	9	Virgin Islands.....	3	3	3
Maryland.....	48	61				
District of Columbia.....	63	61				
Virginia.....	25	44				
West Virginia.....	3	5				
North Carolina.....	90	55				
South Carolina.....	61	54				
Georgia.....	97	59				
Florida.....	135	95				

Note: Cumulative Totals include revised and delayed reports through previous months.

## FOOD AND WATER-BORNE DISEASE OUTBREAKS DURING THE PERIOD JANUARY 1 TO DECEMBER 31, 1961

OUTBREAK NO.	DATE EATEN	STATE	NO. EATING MEAL	NO. EATING VEHICLE	NO. ILL	SUSPECTED VEHICLE	PROBABLE PLACE OR SOURCE OF CONTAM.	INCUBATION RANGE	REPORTED ETIOLOGY	REPORTED BY
TYPHOID ***1	7/15 - 12/25/61	Ma.	Unk.	Unk.	6	Unkwn	Carrier - Restaurant	Unkwn	<i>S. typhosa</i> Phage Type degraded VI	E. A. Belden
	***2	Oct.-Dec. 1961	Unk.	Unk.	4	Oysters	Carrier - Commercial oyster harvester	Unkwn	<i>S. typhosa</i> Phage Type A	J. O. Band
	***3	Oct.-Dec. 1961	Unk.	Unk.	1	Oysters	Carrier - commercial oyster harvester	9 days	<i>S. typhosa</i> Phage Type A	W. J. Murphy
	***4	Oct.-Dec. 1961	Unk.	Unk.	1	Oysters	Carrier - commercial oyster harvester	9 days	<i>S. typhosa</i> Phage Type A	W. H. Y. Smith
SHIGELLOSIS 2	Jan.-Mar. 1961	Maine	Unk.	Unk.	6	Well Water	Trailer Park	Unk.	<i>S. flexneri</i> 2a	M. Dunham
	3	9/29 - 10/2/61	600	Unk.	159	Unkwn	School	Unk.	<i>S. flexneri</i> b	D. Fisher C. T. Brown J. D. Whetche T. Riner
STREPTOCOCCUS 1	5/9/61	Calif.	3	3	2	Perk-Shrimp Perk-egg	Restaurant	7-10 hrs.	<i>Strep. faecalis</i>	M. C. Lynch
	***2	11/25 - 27/61	2150	Unk.	700	Unkwn	College Cafeteria	Unk.	<i>B. hemolytic</i> <i>Strep. faecalis</i>	D. S. Fleming
TRICHINOSIS ***2	12/7/61	Ky.	114	114	84	Roast Turkey	School	9 hrs.	<i>Strep. faecalis</i>	B. W. Russell J. C. Tadd
	1/61	Pa.	Unk.	Unk.	23	Smoked Pork Sausage Contaminated Beef	Farm Market	Unk.	<i>T. spiralis</i>	W. D. Schrack, Jr.
BOTULISM 2	11/1/61	Pa.	Unk.	Unk.	1	Unk.	Heme	Unk.	<i>T. spiralis</i>	S. M. Fish M. Werrin
	5/24/61	Wash.	12	12	4	Uncooked Salmon Eggs	Heme	9-10 hrs.	<i>C. botulinum</i> Type E	E. A. Ager
3	1961	Fla.	Unk.	Unk.	1	Net reported	Net reported	Net reported	<i>C. botulinum</i>	J. O. Bend
	4	10/61	Unk.	Unk.	3	Net reported	Net reported	Net reported	<i>C. botulinum</i>	J. A. Mather
5	1961	Idaho	Unk.	Unk.	1	Net reported	Net reported	Net reported	<i>C. botulinum</i>	W. L. Bunch, Jr.
	6	1961	Unk.	Unk.	1	Net reported	Net reported	Net reported	<i>C. botulinum</i>	J. M. Bruce

\* Previous listings of outbreaks during 1961 appeared in MMWR Vol. 10, Nos. 12, 27, and 28, and Vol. 11, Nos. 12 and 14.

\*\* Previously included in MMWR as epidemiological reports.

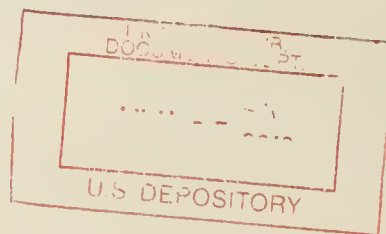
\*\*\* Outbreaks due to a common source - oysters contaminated by commercial harvester. Previously reported in MMWR as epidemiological reports.



## Morbidity and Mortality Weekly Report

## INTERNATIONAL NOTES – QUARANTINE MEASURES

No additional pertinent information or changes.



U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Communicable Disease Center  
Atlanta 22, Georgia  
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